

SEQUENCE LISTING

<110> PHARMACIA & UPJOHN COMPANY

<120> HEPATITIS C VIRUS HELICASE CRYSTALS, CRYSTALLOGRAPHIC
STRUCTURE AND METHODS

<130> 6263.N

<140> Unassigned

<141> 2001-05-02

<150> 60/201,598

<151> 2000-05-03

<160> 3

<170> PatentIn Ver. 2.1

<210> 1

<211> 473

<212> PRT

<213> Hepatitis C virus

<400> 1

Met	Val	Asp	Phe	Ile	Pro	Val	Glu	Asn	Leu	Glu	Thr	Thr	Met	Arg	Ser
1				5					10					15	

Pro	Val	Phe	Thr	Asp	Asn	Ser	Ser	Pro	Pro	Val	Val	Pro	Gln	Ser	Phe
			20					25					30		

Gln	Val	Ala	His	Leu	His	Ala	Pro	Thr	Gly	Ser	Gly	Lys	Ser	Thr	Lys
		35					40					45			

Val	Pro	Ala	Ala	Tyr	Ala	Ala	Gln	Gly	Tyr	Lys	Val	Leu	Val	Leu	Asn
	50					55					60				

Pro	Ser	Val	Ala	Ala	Thr	Leu	Gly	Phe	Gly	Ala	Tyr	Met	Ser	Lys	Ala
65					70					75					80

His	Gly	Ile	Asp	Pro	Asn	Ile	Arg	Thr	Gly	Val	Arg	Thr	Ile	Thr	Thr
				85					90					95	

Gly	Ser	Pro	Ile	Thr	Tyr	Ser	Thr	Tyr	Gly	Lys	Phe	Leu	Ala	Asp	Gly
		100						105					110		

Gly	Cys	Ser	Gly	Gly	Ala	Tyr	Asp	Ile	Ile	Ile	Cys	Asp	Glu	Cys	His
	115						120					125			

Ser Thr Asp Ala Thr Ser Ile Leu Gly Ile Gly Thr Val Leu Asp Gln
 130 135 140

Ala Glu Thr Ala Gly Ala Arg Leu Val Val Leu Ala Thr Ala Thr Pro
 145 150 155 160

Pro Gly Ser Val Thr Val Pro His Pro Asn Ile Glu Glu Val Ala Leu
 165 170 175

Ser Thr Thr Gly Glu Ile Pro Phe Tyr Gly Lys Ala Ile Pro Leu Glu
 180 185 190

Val Ile Lys Gly Gly Arg His Leu Ile Phe Cys His Ser Lys Lys Lys
 195 200 205

Cys Asp Glu Leu Ala Ala Lys Leu Val Ala Leu Gly Ile Asn Ala Val
 210 215 220

Ala Tyr Tyr Arg Gly Leu Asp Val Ser Val Ile Pro Thr Ser Gly Asp
 225 230 235 240

Val Val Val Val Ala Thr Asp Ala Leu Met Thr Gly Tyr Thr Gly Asp
 245 250 255

Phe Asp Ser Val Ile Asp Cys Asn Thr Cys Val Thr Gln Thr Val Asp
 260 265 270

Phe Ser Leu Asp Pro Thr Phe Thr Ile Glu Thr Ile Thr Leu Pro Gln
 275 280 285

Asp Ala Val Ser Arg Thr Gln Arg Arg Gly Arg Thr Gly Arg Gly Lys
 290 295 300

Pro Gly Ile Tyr Arg Phe Val Ala Pro Gly Glu Arg Pro Ser Gly Met
 305 310 315 320

Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr Asp Ala Gly Cys Ala Trp
 325 330 335

Tyr Glu Leu Thr Pro Ala Glu Thr Thr Val Arg Leu Arg Ala Tyr Met
 340 345 350

Asn Thr Pro Gly Leu Pro Val Cys Gln Asp His Leu Glu Phe Trp Glu
 355 360 365

Gly Val Phe Thr Gly Leu Thr His Ile Asp Ala His Phe Leu Ser Gln
 370 375 380

Thr Lys Gln Ser Gly Glu Asn Leu Pro Tyr Leu Val Ala Tyr Gln Ala
385 390 395 400

Thr Val Cys Ala Arg Ala Gln Ala Pro Pro Pro Ser Trp Asp Gln Met
405 410 415

Trp Lys Cys Leu Ile Arg Leu Lys Pro Thr Leu His Gly Pro Thr Pro
420 425 430

Leu Leu Tyr Arg Leu Gly Ala Val Gln Asn Glu Ile Thr Leu Thr His
435 440 445

Pro Val Thr Lys Tyr Ile Met Thr Cys Met Ser Ala Asp Leu Glu Val
450 455 460

Val Thr Ser His His His His His His
465 470

<210> 2

<211> 9

<212> PRT

<213> Hepatitis C virus

<400> 2

Pro Thr Gly Ser Gly Lys Ser Thr Lys
1 5

<210> 3

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: conserved
sequence motif VI wherein Xaa represents
unconserved amino acids within the motif

<400> 3

Gln Arg Xaa Gly Arg Xaa Gly Arg
1 5

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